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Derwent Record

Derwent Title: Refrigerator with fan driven internal air circulation facility, employs narrow width rectangular section ducting routed along rear side of storage space and meters air through slots aligned with each chamber

Original Title: ☒ JP2003240408A2: REFRIGERATOR

Assignee: TOSHIBA KK Standard company
Other publications from TOSHIBA KK (TOKE)...

Inventor: None

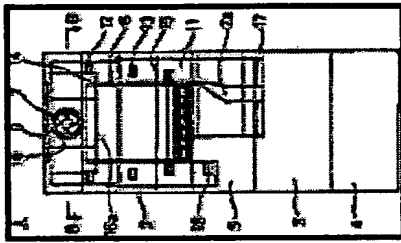
Accession/ Update: 2003-642012 / 200361

IPC Code: F25D 17/06 ; F25D 17/08 ;

Derwent Classes: Q75; X27;

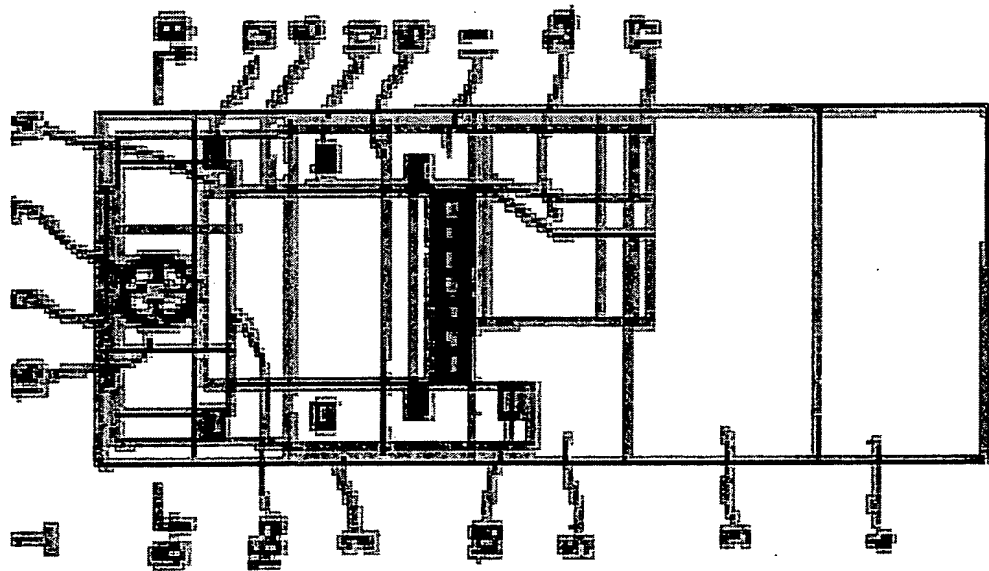
Manual Codes: X27-F02A(Refrigeration)

Derwent Abstract:
(JP2003240408A) Novelty - Narrow width, rectangular cross-section, inverted U-shaped ducting (11) is routed along the rear side of the interior and draws air inside through the cooling fan (7), across the cooler module (6). Air release outlets (12) are aligned with each of the storage chambers defined by trays (15). The top horizontal segments of the ducting (9) has similar outlets.
Detailed Description - The duct profile/air release outlet layout permits selective metering of the air quantum into the individual chambers. This enables the maintenance of desired temperatures in the various chambers lacked one above the other.
Use - Internal air circulation is frequently introduced into larger size refrigerators with multi-tier storage chamber.
Advantage - It comes with the additional option of selective storage of individual items suited to the temperature of the particular chamber.



Images:

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Description of Drawing(s) - The figure shows the front view of the refrigerator illustrating the air circulating duct along with the cooling fan. refrigeration chamber 2, vegetables chamber 3, freezer compartment 4, cooler module 6, cooling fan 7, top segment of the duct 9, air circulating duct 11, air release ducts 12, trays 15 Dwg.1/8

Family: PDF Patent Pub. Date Derwent Update Pages Language IPC Code
☒ JP2003240408A * 2003-08-27 200361 6 English F25D 17/06
Local appls.: JP2002000037371 Filed:2002-02-14 (2002JP-0037371)

Priority Number:	Application Number	Filed	Original Title
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[JP2002000037371](#) | [2002-02-14](#) | [REFRIGERATOR](#) |

 Title Terms: REFRIGERATE FAN DRIVE INTERNAL AIR CIRCULATE FACILITY EMPLOY NARROW WIDTH RECTANGLE SECTION DUCT ROUTE REAR SIDE STORAGE SPACE METER AIR THROUGH SLOT ALIGN CHAMBER

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